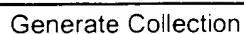**WEST**

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L6: Entry 36 of 71   File: USPT   Jun 25, 2002

DOCUMENT-IDENTIFIER: US 6410271 B1
TITLE: Generation of highly diverse library of expression vectors via homologous
recombination in yeast

Brief Summary Text (11):
After immunization against an antigen, a mammal goes through a process known as
affinity maturation to produce antibodies with higher affinity toward the antigen.
Such antigen-driven somatic hypermutation fine-tunes antibody responses to a given
antigen, presumably due to the accumulation of point mutations specifically in both
heavy-and light-chain V region coding sequences and a selected expansion of
high-affinity antibody-bearing B cell clones.

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L6: Entry 59 of 71   File: USPT   Jun 24, 1997

DOCUMENT-IDENTIFIER: US 5641488 A
TITLE: Method for producing an antibody to a chosen antigen

CLAIMS:

1. Method for producing an antibody which specifically binds to a chosen antigen, comprising:

(i) immunizing an animal selected from the group consisting of an A/J mouse and a transgenic mouse possessing and ARS specific antibody gene segments, with a first immunogen which is not said chosen antigen to stimulate a B cell response thereto, said B cell response comprising:

(a) production of antibodies specific to said first immunogen;

(b) somatic hypermutation in the antibody variable gene repertoire of said B cell, and

(ii) immunizing said non-human animal with a second immunogen less than 15 days after performing said immunization of step (i), wherein said second immunogen comprises said chosen antigen and is not said first immunogen, to stimulate proliferation of a subpopulation of said B cells which have undergone somatic hypermutation to produce antibodies specific to said chosen antigen wherein said first immunogen is a protein conjugate of p-azo phenylarsonate (ARS) and said second immunogen is a protein conjugate of sulfanilic acid (SULF).

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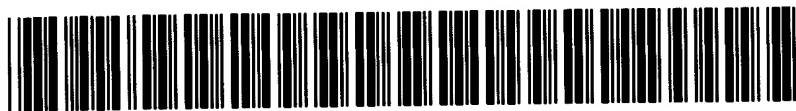
Creation date: 09-04-2003
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Team: OIPEBackFileIndexing
Dossier: 09707468

Legal Date: 08-20-2003

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Total number of pages: 2

Remarks:

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